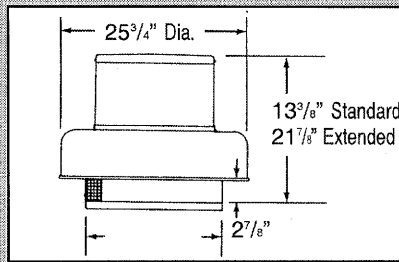


VEDK 06

DIRECT DRIVE PRV

PERFORMANCE DATA



DESIGN DATA

Tip Speed = 2.75 x RPM
 Unit Weight (less Motor) = 30 Lbs.
 Roof Opening = 11" Sq.
 Curb O. D. = 14" Sq.
 Damper Size = 10" Sq.

Cent. Power Roof Vents

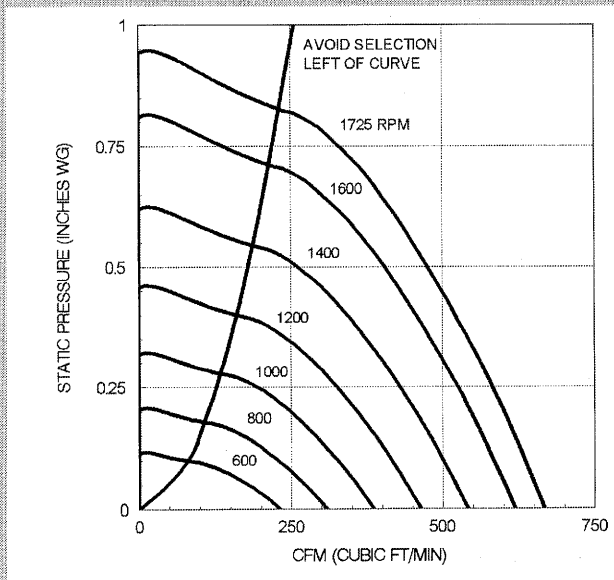
| RPM Range - Motor HP | RPM | STATIC PRESSURE, INCHES W.G. | | | | | | | | | | | | | | | | | | |
|---|------------|------------------------------|-----|-------|-----|------|-------|------|-----|-------|-----|------|-------|------|-----|-------|-----|-------|-------|--|
| | | .000 | | .125 | | .250 | | .375 | | .500 | | .625 | | .750 | | 1.000 | | 1.250 | | |
| | | CFM | BHP | SONES | CFM | BHP | SONES | CFM | BHP | SONES | CFM | BHP | SONES | CFM | BHP | SONES | CFM | BHP | SONES | |
| F3+ 1/20 | J2+ 1/8 | 400 | 155 | .01 | | | | | | | | | | | | | | | | |
| | | 500 | 193 | .01 | | | | | | | | | | | | | | | | |
| | | 600 | 232 | .01 | | | | | | | | | | | | | | | | |
| | | 700 | 270 | .01 | 130 | .01 | | | | | | | | | | | | | | |
| | | 800 | 309 | .01 | 202 | .01 | | | | | | | | | | | | | | |
| | | 900 | 348 | .02 | 258 | .02 | | | | | | | | | | | | | | |
| | | 1000 | 386 | .02 | 309 | .02 | 194 | .03 | | | | | | | | | | | | |
| | | 1075 * | 415 | .03 | 344 | .03 | 251 | .03 | | | | | | | | | | | | |
| | | 1100 | 425 | .03 | 356 | .03 | 266 | .03 | | | | | | | | | | | | |
| | | 1200 | 464 | .04 | 401 | .04 | 325 | .04 | 211 | .05 | | | | | | | | | | |
| | | 1300 | 502 | .05 | 446 | .05 | 379 | .05 | 294 | .06 | | | | | | | | | | |
| | | 1400 | 541 | .06 | 489 | .06 | 430 | .07 | 358 | .07 | 259 | .07 | | | | | | | | |
| | | 1500 | 580 | .07 | 532 | .08 | 477 | .08 | 415 | .08 | 339 | .09 | | | | | | | | |
| | | 1600 * | 618 | .09 | 573 | .09 | 523 | .10 | 468 | .10 | 404 | .10 | 321 | .11 | | | | | | |
| | | 1725 * | 667 | .11 | 625 | .12 | 580 | .12 | 532 | .13 | 475 | .13 | 412 | .13 | 328 | .13 | | | | |
| ALL OTHER MOTORS (Non-Speed Controllable) TE, XP, 2-Spd, 230V & All 3 | | 1140 * | 440 | .03 | 374 | .04 | 291 | .04 | | | | | | | | | | | | |
| | | 1725 * | 667 | .11 | 625 | .12 | 580 | .12 | 532 | .13 | 475 | .13 | 412 | .13 | 328 | .13 | | | | |

Performance shown is for installation type A - free inlet, free outlet.
 Speed (RPM) is nominal. Performance is based on actual speed of test.
 * Base Unit - As run motor speeds.
 + RPM range capable with solid state speed control. AMCA Seal for sound rating does not apply to units with speed controls.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. Values shown are for inlet L_{wi} sound power levels for installation Type A free inlet, free outlet. Ratings do not include the effects of duct end correction.

The sound ratings shown are loudness values in fan sones at 5 feet (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A, free inlet fan sone levels.

VEDK 06 AIR PERFORMANCE



VEDK 06 SOUND PERFORMANCE

| RPM | SP | SOUND POWER RE 10 ⁻¹² WATTS | | | | | | | | | |
|------|------|--|----|----|----|----|----|----|----|-----|--|
| | | OCTAVE BANDS | | | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LWA | |
| 1075 | .000 | 65 | 58 | 55 | 51 | 51 | 47 | 43 | 34 | 56 | |
| | .125 | 67 | 58 | 54 | 50 | 49 | 45 | 41 | 37 | 54 | |
| | .250 | 68 | 61 | 56 | 53 | 52 | 47 | 43 | 39 | 57 | |
| 1600 | .000 | 79 | 71 | 69 | 63 | 61 | 58 | 55 | 48 | 67 | |
| | .125 | 80 | 71 | 69 | 62 | 60 | 57 | 54 | 48 | 67 | |
| | .250 | 81 | 72 | 68 | 62 | 60 | 56 | 53 | 48 | 66 | |
| | .375 | 82 | 72 | 68 | 61 | 60 | 56 | 52 | 48 | 66 | |
| | .500 | 81 | 73 | 69 | 63 | 62 | 57 | 53 | 49 | 68 | |
| | .625 | 80 | 75 | 71 | 64 | 64 | 59 | 55 | 51 | 69 | |

VEDK 08

DIRECT DRIVE PRV

PERFORMANCE DATA

DESIGN DATA

Tip Speed = 2.75 x RPM
 Unit Weight (less Motor) = 30 Lbs.
 Roof Opening = 11" Sq.
 Curb O. D. = 14" Sq.
 Damper Size = 10" Sq.

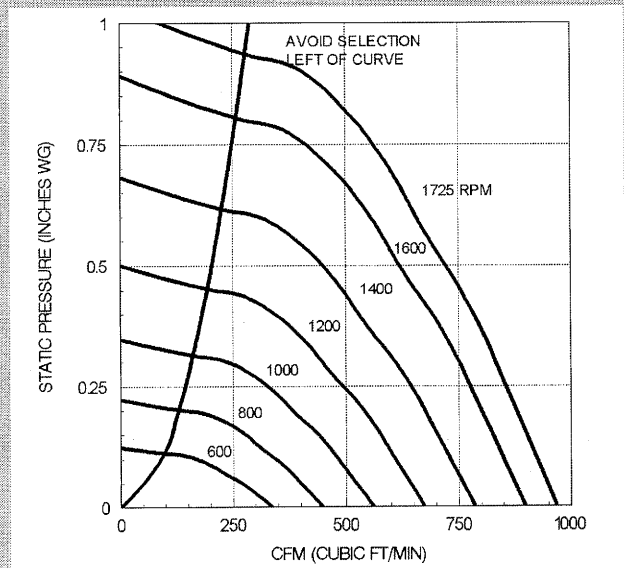
| RPM Range - Motor HP | RPM | STATIC PRESSURE, INCHES W.G. | | | | | | | | | | | | | | | | | | | |
|---|------------|------------------------------|--------|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|-------|-----|-------|-----|--|--|
| | | .000 | | .125 | | .250 | | .375 | | .500 | | .625 | | .750 | | 1.000 | | 1.250 | | | |
| | | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | | |
| F3+ 1/20 | J2+ 1/8 | SPEED CONTROLLABLE MOTORS | 600 | 337 | .01 | | | | | | | | | | | | | | | | |
| | | | 675 | 379 | .01 | 196 | .01 | | | | | | | | | | | | | | |
| | | | 750 | 421 | .01 | 269 | .01 | | | | | | | | | | | | | | |
| | | | 825 | 463 | .02 | 330 | .02 | | | | | | | | | | | | | | |
| | | | 900 | 505 | .02 | 389 | .02 | 183 | .03 | | | | | | | | | | | | |
| | | | 1000 | 561 | .03 | 462 | .03 | 327 | .04 | | | | | | | | | | | | |
| | | | 1075 * | 603 | .04 | 511 | .04 | 392 | .04 | | | | | | | | | | | | |
| | | | 1175 | 659 | .05 | 576 | .05 | 473 | .06 | 346 | .06 | | | | | | | | | | |
| | | | 1250 | 702 | .06 | 624 | .06 | 533 | .07 | 425 | .07 | | | | | | | | | | |
| | | | 1325 | 744 | .07 | 671 | .07 | 591 | .08 | 487 | .08 | 363 | .08 | | | | | | | | |
| | | | 1400 | 786 | .08 | 717 | .09 | 643 | .09 | 547 | .09 | 448 | .10 | | | | | | | | |
| | | | 1475 | 828 | .09 | 763 | .10 | 693 | .11 | 608 | .11 | 517 | .11 | 396 | .11 | | | | | | |
| | | | 1550 | 870 | .11 | 808 | .11 | 743 | .12 | 668 | .13 | 579 | .13 | 484 | .13 | 276 | .13 | | | | |
| | | | 1600 * | 898 | .12 | 838 | .13 | 775 | .13 | 706 | .14 | 619 | .14 | 537 | .15 | 410 | .15 | | | | |
| ALL OTHER MOTORS (Non-Speed Controllable) TE, XP, 2-Spd, 230V & All 3 | | 1140 * | 640 | .04 | 554 | .05 | 444 | .05 | 303 | .05 | | | | | | | | | | | |
| 1725 * | 968 | .15 | 913 | .16 | 855 | .16 | 795 | .17 | 720 | .17 | 640 | .18 | 560 | .18 | | | | | | | |

Performance shown is for installation type A - free inlet, free outlet.
 Speed (RPM) is nominal. Performance is based on actual speed of test.
 * Base Unit - As run motor speeds.
 + RPM range capable with solid state speed control. AMCA Seal for sound rating does not apply to units with speed controls.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. Values shown are for inlet L_{wi} sound power levels for installation Type A free inlet, free outlet. Ratings do not include the effects of duct end correction.

The sound ratings shown are loudness values in fan sones at 5 feet (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A, free inlet fan sone levels.

VEDK 08 AIR PERFORMANCE



VEDK 08 SOUND PERFORMANCE

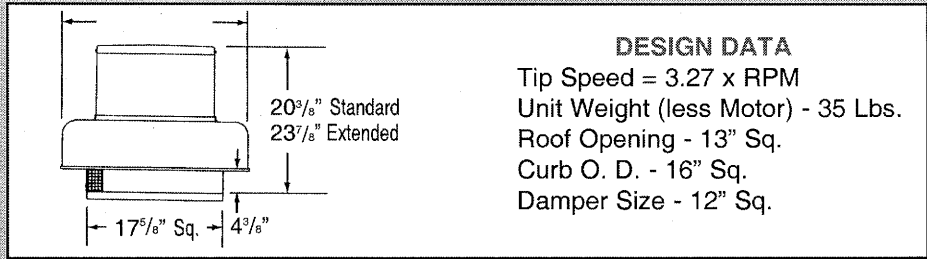
| RPM | SP | SOUND POWER RE 10" WATTS | | | | | | | | |
|------|------|--------------------------|----|----|----|----|----|----|----|-----|
| | | OCTAVE BANDS | | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LWA |
| 1075 | .000 | 67 | 65 | 60 | 54 | 54 | 53 | 53 | 46 | 61 |
| | .125 | 67 | 65 | 59 | 53 | 54 | 52 | 50 | 45 | 60 |
| | .375 | 65 | 68 | 58 | 53 | 54 | 51 | 48 | 46 | 60 |
| 1600 | .000 | 78 | 76 | 74 | 66 | 64 | 62 | 63 | 59 | 72 |
| | .250 | 78 | 76 | 74 | 65 | 63 | 61 | 61 | 57 | 71 |
| | .375 | 78 | 76 | 73 | 65 | 63 | 61 | 59 | 56 | 70 |
| | .500 | 76 | 76 | 74 | 65 | 63 | 61 | 59 | 56 | 71 |
| | .625 | 75 | 77 | 74 | 65 | 63 | 61 | 59 | 56 | 71 |
| .750 | 75 | 77 | 74 | 65 | 63 | 61 | 58 | 56 | 71 | |

Cent. Power Roof Vents

VEDK 10

DIRECT DRIVE PRV

PERFORMANCE DATA



DESIGN DATA
 Tip Speed = 3.27 x RPM
 Unit Weight (less Motor) - 35 Lbs.
 Roof Opening - 13" Sq.
 Curb O. D. - 16" Sq.
 Damper Size - 12" Sq.

Cent. Power Roof Vents

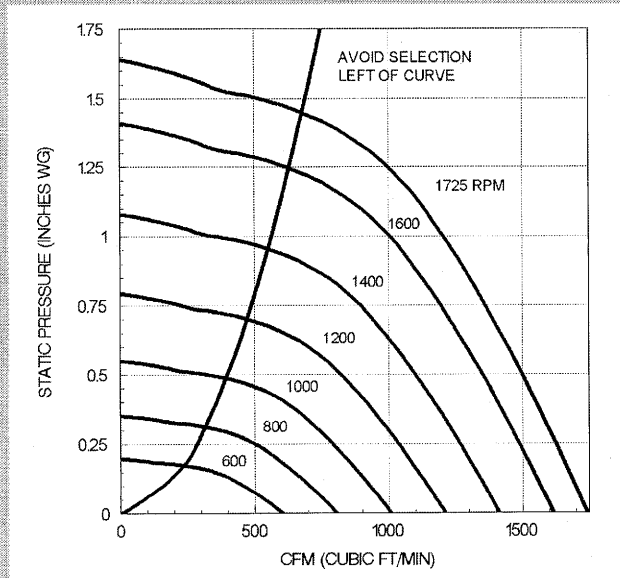
| SPEED CONTROLLABLE MOTORS | RPM Range - Motor HP | | | | RPM | STATIC PRESSURE INCHES W.G. | | | | | | | | | | | | | | | | | | | | |
|---------------------------|----------------------|-----|-----|-----|--------|-----------------------------|-----|-------|-----|------|-------|------|-----|-------|-----|------|-------|------|-----|-------|-----|-------|-------|-----|-----|-------|
| | F4+ | J3+ | M2+ | P2+ | | .000 | | .125 | | .250 | | .375 | | .500 | | .625 | | .750 | | 1.000 | | 1.250 | | | | |
| | 1/20 | 1/8 | 1/3 | 1/2 | | CFM | BHP | SONES | CFM | BHP | SONES | CFM | BHP | SONES | CFM | BHP | SONES | CFM | BHP | SONES | CFM | BHP | SONES | CFM | BHP | SONES |
| | | | | | 550 | 556 | .01 | 323 | .02 | | | | | | | | | | | | | | | | | |
| | | | | | 700 | 707 | .03 | 549 | .03 | 176 | .03 | | | | | | | | | | | | | | | |
| | | | | | 800 | 809 | .04 | 673 | .05 | 501 | .05 | | | | | | | | | | | | | | | |
| | | | | | 825 * | 834 | .04 | 703 | .05 | 542 | .05 | | | | | | | | | | | | | | | |
| | | | | | 900 | 910 | .06 | 791 | .06 | 654 | .07 | 426 | .07 | | | | | | | | | | | | | |
| | | | | | 975 | 985 | .07 | 877 | .08 | 756 | .09 | 605 | .09 | | | | | | | | | | | | | |
| | | | | | 1050 | 1061 | .09 | 961 | .10 | 853 | .11 | 728 | .11 | 528 | .11 | | | | | | | | | | | |
| | | | | | 1075 * | 1086 | .10 | 989 | .11 | 884 | .11 | 763 | .12 | 587 | .12 | | | | | | | | | | | |
| | | | | | 1175 | 1187 | .13 | 1098 | .14 | 1004 | .14 | 901 | .15 | 781 | .15 | 593 | .15 | | | | | | | | | |
| | | | | | 1275 | 1289 | .16 | 1206 | .17 | 1121 | .18 | 1033 | .19 | 928 | .19 | 808 | .20 | 610 | .19 | | | | | | | |
| | | | | | 1375 | 1390 | .20 | 1313 | .21 | 1236 | .22 | 1153 | .23 | 1064 | .24 | 967 | .25 | 849 | .25 | | | | | | | |
| | | | | | 1500 | 1516 | .26 | 1445 | .27 | 1376 | .29 | 1302 | .30 | 1225 | .31 | 1140 | .31 | 1051 | .32 | 783 | .32 | | | | | |
| | | | | | 1575 | 1592 | .30 | 1524 | .32 | 1458 | .33 | 1389 | .34 | 1316 | .35 | 1240 | .36 | 1155 | .37 | 959 | .27 | | | | | |
| | | | | | 1625 * | 1642 | .33 | 1577 | .35 | 1513 | .36 | 1447 | .37 | 1376 | .38 | 1306 | .39 | 1224 | .40 | 1043 | .41 | | | | | |
| | | | | | 1140 * | 1152 | .11 | 1060 | .12 | 962 | .13 | 853 | .14 | 722 | .14 | 470 | .13 | | | | | | | | | |
| | | | | | 1725 * | 1743 | .40 | 1681 | .41 | 1621 | .43 | 1561 | .44 | 1495 | .45 | 1428 | .46 | 1358 | .47 | 1203 | .49 | | | | | |

Performance shown is for installation type A - free inlet, free outlet.
 Speed (RPM) is nominal. Performance is based on actual speed of test.
 * Base Unit - As run motor speeds.
 + RPM range capable with solid state speed control. AMCA Seal for sound rating does not apply to units with speed controls.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. Values shown are for inlet L_W sound power levels for installation Type A free inlet, free outlet. Ratings do not include the effects of duct end correction.

The sound ratings shown are loudness values in fan sones at 5 feet (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A, free inlet fan sone levels.

VEDK 10 AIR PERFORMANCE



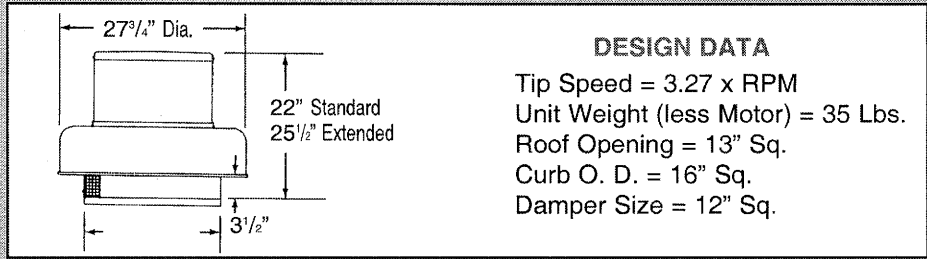
VEDK 10 SOUND PERFORMANCE

| RPM | SP | SOUND POWER RE 10 ⁻¹² WATTS | | | | | | | | |
|------|-------|--|----|----|----|----|----|----|----|-----|
| | | OCTAVE BANDS | | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LWA |
| 825 | .000 | 58 | 66 | 63 | 57 | 53 | 48 | 42 | 37 | 60 |
| | .125 | 59 | 66 | 62 | 54 | 49 | 45 | 44 | 44 | 58 |
| | .375 | 59 | 66 | 60 | 51 | 48 | 46 | 42 | 38 | 57 |
| 1075 | .000 | 64 | 70 | 74 | 64 | 60 | 56 | 50 | 44 | 69 |
| | .250 | 65 | 70 | 73 | 62 | 56 | 52 | 49 | 51 | 67 |
| | .500 | 63 | 71 | 73 | 59 | 55 | 53 | 50 | 45 | 66 |
| 1625 | .000 | 71 | 78 | 85 | 80 | 72 | 68 | 62 | 57 | 81 |
| | .500 | 72 | 79 | 84 | 79 | 69 | 64 | 60 | 59 | 80 |
| | 1.000 | 71 | 79 | 84 | 77 | 67 | 63 | 60 | 57 | 79 |

VEDK 12

DIRECT DRIVE PRV

PERFORMANCE DATA



DESIGN DATA

Tip Speed = 3.27 x RPM
 Unit Weight (less Motor) = 35 Lbs.
 Roof Opening = 13" Sq.
 Curb O. D. = 16" Sq.
 Damper Size = 12" Sq.

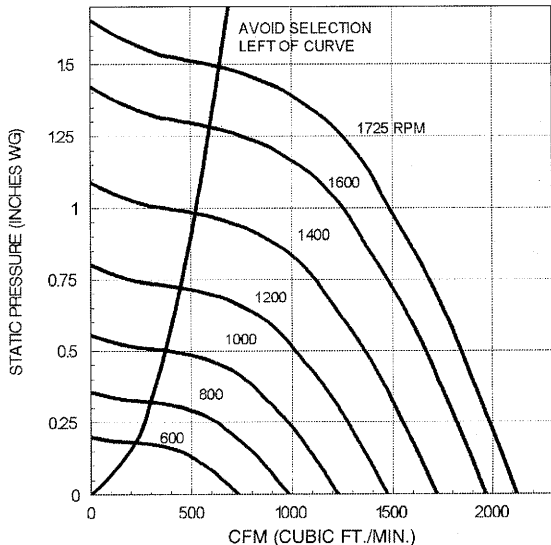
| RPM Range - Motor HP | RPM | STATIC PRESSURE, INCHES W.G. | | | | | | | | | | | | | | | | | | | | |
|--|------------|------------------------------|------------|--------|------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|-----|------|-----|
| | | .000 | | .125 | | .250 | | .375 | | .500 | | .625 | | .750 | | 1.000 | | 1.250 | | | | |
| | | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | | | |
| F4+ 1/20 | J3+ 1/8 | M2+ 1/3 | P2+ 1/2 | 550 | 676 | .01 | 404 | .02 | | | | | | | | | | | | | | |
| | | | | 700 | 861 | .03 | 679 | .03 | 183 | .02 | | | | | | | | | | | | |
| | | | | 800 | 984 | .04 | 829 | .05 | 623 | .05 | | | | | | | | | | | | |
| | | | | 825 * | 1014 | .05 | 865 | .05 | 671 | .06 | | | | | | | | | | | | |
| | | | | 900 | 1106 | .06 | 971 | .07 | 809 | .07 | 534 | .06 | | | | | | | | | | |
| | | | | 975 | 1199 | .07 | 1075 | .08 | 936 | .09 | 753 | .09 | | | | | | | | | | |
| | | | | 1050 | 1291 | .09 | 1177 | .10 | 1055 | .11 | 897 | .11 | 657 | .11 | | | | | | | | |
| | | | | 1075 * | 1322 | .10 | 1210 | .11 | 1091 | .12 | 943 | .12 | 733 | .12 | | | | | | | | |
| | | | | 1175 | 1445 | .13 | 1342 | .14 | 1236 | .15 | 1114 | .16 | 965 | .16 | 737 | .15 | | | | | | |
| | | | | 1275 | 1567 | .17 | 1473 | .18 | 1377 | .19 | 1276 | .20 | 1147 | .20 | 1004 | .20 | 766 | .19 | | | | |
| | | | | 1375 | 1690 | .21 | 1603 | .22 | 1515 | .23 | 1421 | .24 | 1317 | .25 | 1195 | .26 | 1085 | .26 | | | | |
| | | | | 1500 | 1844 | .27 | 1764 | .29 | 1684 | .30 | 1600 | .31 | 1514 | .32 | 1410 | .33 | 1298 | .33 | 975 | .32 | | |
| | | | | 1575 | 1936 | .32 | 1860 | .33 | 1784 | .34 | 1705 | .35 | 1623 | .36 | 1535 | .37 | 1429 | .38 | 1197 | .38 | | |
| | | | | 1625 * | 1998 | .35 | 1924 | .36 | 1850 | .37 | 1774 | .39 | 1695 | .40 | 1617 | .41 | 1514 | .42 | 1294 | .42 | | |
| ALL OTHER MOTORS (Non-Speed Controllable) | | | | 1140 * | 1401 | .12 | 1296 | .13 | 1185 | .14 | 1055 | .14 | 898 | .15 | 578 | .13 | | | | | | |
| TE, XP, 2-Spd, 230V & All 3 | | | | 1725 * | 2121 | .42 | 2051 | .43 | 1982 | .44 | 1912 | .46 | 1837 | .47 | 1762 | .48 | 1681 | .49 | 1484 | .51 | 1235 | .50 |

Performance shown is for installation type A - free inlet, free outlet.
 Speed (RPM) is nominal. Performance is based on actual speed of test.
 * Base Unit - As run motor speeds.
 + RPM range capable with solid state speed control. AMCA Seal for sound rating does not apply to units with speed controls.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. Values shown are for inlet L_{Wj} sound power levels for installation Type A free inlet, free outlet. Ratings do not include the effects of duct end correction.

The sound ratings shown are loudness values in fan sones at 5 feet (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A, free inlet fan sone levels.

VEDK 12 AIR PERFORMANCE



VEDK 12 SOUND PERFORMANCE

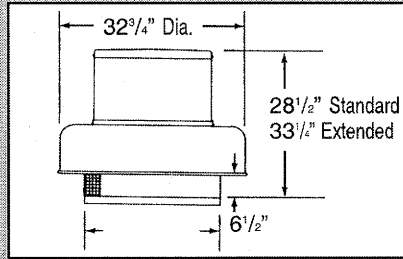
| RPM | SP | SOUND POWER RE 10 ⁻¹² WATTS | | | | | | | | LWA |
|------|-------|--|----|----|----|----|----|----|----|-----|
| | | OCTAVE BANDS | | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| 825 | .000 | 67 | 67 | 61 | 56 | 59 | 55 | 47 | 39 | 62 |
| | .125 | 67 | 67 | 61 | 55 | 54 | 51 | 44 | 37 | 60 |
| | .375 | 67 | 69 | 60 | 53 | 49 | 47 | 44 | 41 | 58 |
| 1075 | .000 | 75 | 75 | 72 | 63 | 63 | 64 | 56 | 48 | 70 |
| | .250 | 74 | 75 | 72 | 63 | 59 | 58 | 52 | 45 | 68 |
| | .500 | 734 | 75 | 73 | 61 | 57 | 55 | 51 | 47 | 67 |
| 1625 | .000 | 84 | 87 | 85 | 78 | 71 | 74 | 70 | 62 | 82 |
| | .500 | 83 | 87 | 85 | 78 | 70 | 69 | 65 | 58 | 81 |
| | 1.000 | 83 | 87 | 86 | 77 | 69 | 66 | 63 | 58 | 81 |

Cent. Power Root Vents

VEDK 15

DIRECT DRIVE PRV

PERFORMANCE DATA



DESIGN DATA
 Tip Speed = 4.06 x RPM
 Unit Weight (less Motor) = 50 Lbs.
 Roof Opening = 16" Sq.
 Curb O. D. = 19" Sq.
 Damper Size = 15" Sq.

Cent. Power Roof Vents

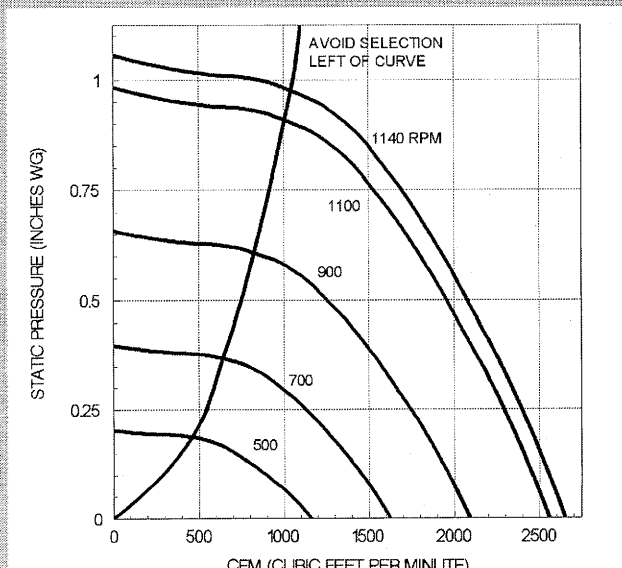
| RPM Range - Motor HP | RPM | STATIC PRESSURE, INCHES W.G. | | | | | | | | | | | | | | | | | | | |
|---|--------|------------------------------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|-------|-------|-----|------|
| | | .000 | | .125 | | .250 | | .375 | | .500 | | .625 | | .750 | | 1.000 | | 1.250 | | | |
| | | CFM | BHP | SONES | CFM | BHP | SONES | CFM | BHP | SONES | CFM | BHP | SONES | CFM | BHP | SONES | CFM | BHP | SONES | | |
| SPEED CONTROLLABLE MOTORS K4+ 1/6 M3+ 1/3 | 450 | 1047 | .02 | 2.0 | 627 | .03 | 1.5 | | | | | | | | | | | | | | |
| | 500 | 1163 | .03 | 2.6 | 816 | .04 | 2.0 | | | | | | | | | | | | | | |
| | 550 | 1280 | .04 | 3.3 | 976 | .05 | 2.5 | | | | | | | | | | | | | | |
| | 600 | 1396 | .05 | 3.9 | 1129 | .06 | 3.2 | 716 | .06 | 3.2 | | | | | | | | | | | |
| | 650 | 1512 | .07 | 4.6 | 1272 | .08 | 4.0 | 943 | .08 | 3.8 | | | | | | | | | | | |
| | 700 | 1629 | .09 | 5.4 | 1411 | .09 | 4.8 | 1130 | .10 | 4.5 | 542 | .08 | 4.6 | | | | | | | | |
| | 750 | 1745 | .11 | 6.3 | 1549 | .12 | 5.9 | 1292 | .12 | 5.5 | 949 | .12 | 5.4 | | | | | | | | |
| | 800 | 1861 | .13 | 7.4 | 1678 | .14 | 7.0 | 1448 | .14 | 6.7 | 1170 | .14 | 6.6 | | | | | | | | |
| | 825 * | 1920 | .14 | 8.1 | 1742 | .15 | 7.7 | 1525 | .16 | 7.4 | 1264 | .16 | 7.2 | 825 | .14 | 7.1 | | | | | |
| | 875 | 2036 | .17 | 8.9 | 1868 | .18 | 8.6 | 1672 | .19 | 8.2 | 1443 | .19 | 8.0 | 1138 | .18 | 7.9 | | | | | |
| | 925 | 2152 | .20 | 9.7 | 1994 | .21 | 9.4 | 1815 | .22 | 9.0 | 1603 | .22 | 8.8 | 1355 | .22 | 8.6 | 945 | .20 | 8.6 | | |
| | 975 | 2269 | .24 | 10.4 | 2118 | .25 | 10.2 | 1955 | .26 | 9.9 | 1759 | .26 | 9.6 | 1544 | .26 | 9.4 | 1257 | .25 | 9.3 | | |
| 1025 | 2385 | .27 | 11.3 | 2242 | .28 | 11.0 | 2093 | .29 | 10.8 | 1913 | .30 | 10.5 | 1714 | .31 | 10.3 | 1480 | .30 | 10.1 | | | |
| 1075 * | 2501 | .32 | 12.0 | 2365 | .33 | 11.8 | 2228 | .34 | 11.5 | 2058 | .35 | 11.3 | 1873 | .35 | 11.1 | 1670 | .35 | 10.9 | | | |
| ALL OTHER MOTORS (Non-Speed Controllable) TE, XP, 2-Spd, 230V & All 3 | 1140 * | 2652 | .38 | 13.2 | 2524 | .39 | 13.0 | 2395 | .40 | 12.7 | 2243 | .41 | 12.5 | 2075 | .42 | 12.3 | 1897 | .42 | 12.2 | | |
| | | | | | | | | | | | | | | | | | | | 836 | .33 | 12.3 |

Performance shown is for installation type A - free inlet, free outlet.
 Speed (RPM) is nominal. Performance is based on actual speed of test.
 * Base Unit - As run motor speeds.
 + RPM range capable with solid state speed control. AMCA Seal for sound rating does not apply to units with speed controls.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. Values shown are for inlet L_W sound power levels for installation Type A free inlet, free outlet. Ratings do not include the effects of duct end correction.

The sound ratings shown are loudness values in fan sones at 5 feet (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A, free inlet fan sone levels.

VEDK 15 AIR PERFORMANCE



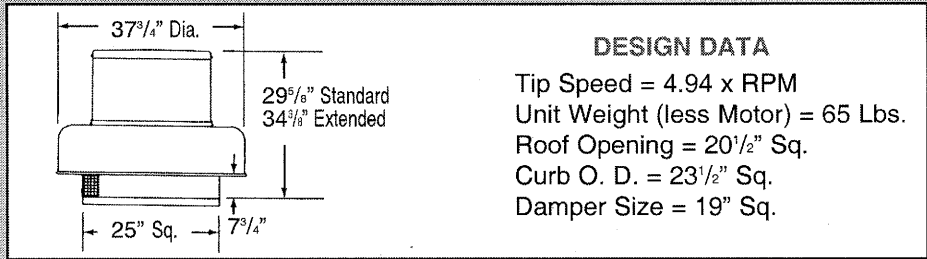
VEDK 15 SOUND PERFORMANCE

| RPM | SP | SOUND POWER RE 10 ⁻¹² WATTS | | | | | | | | | |
|------|-------|--|----|----|----|----|----|----|----|-----|--|
| | | OCTAVE BANDS | | | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LWA | |
| 825 | .000 | 75 | 77 | 66 | 63 | 61 | 58 | 51 | 44 | 67 | |
| | .125 | 75 | 77 | 65 | 61 | 59 | 57 | 50 | 44 | 66 | |
| | .250 | 75 | 76 | 63 | 59 | 57 | 55 | 50 | 43 | 65 | |
| | .500 | 75 | 75 | 62 | 58 | 56 | 55 | 51 | 45 | 64 | |
| | .750 | 75 | 75 | 62 | 58 | 56 | 55 | 51 | 46 | 64 | |
| 1075 | .000 | 83 | 82 | 74 | 70 | 67 | 67 | 59 | 52 | 74 | |
| | .250 | 83 | 82 | 73 | 68 | 64 | 64 | 59 | 52 | 73 | |
| | .500 | 84 | 81 | 72 | 66 | 62 | 62 | 58 | 52 | 71 | |
| | .750 | 85 | 80 | 71 | 66 | 62 | 62 | 59 | 53 | 71 | |
| | 1.000 | 85 | 80 | 71 | 66 | 62 | 61 | 59 | 53 | 71 | |

VEDK 18

DIRECT DRIVE PRV

PERFORMANCE DATA



| SPEED CONTROLLABLE MOTORS | RPM Range - Motor HP | | RPM | STATIC PRESSURE, INCHES W.G. | | | | | | | | | | | |
|---------------------------|----------------------|------------|--------|------------------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|------------------|--|--|
| | M4+ 1/3 | R3+ 3/4 | | .000 | .125 | .250 | .375 | .500 | .625 | .750 | 1.000 | 1.250 | | | |
| | | | | CFM BHP SONES | CFM BHP SONES | CFM BHP SONES | CFM BHP SONES | CFM BHP SONES | CFM BHP SONES | CFM BHP SONES | CFM BHP SONES | CFM BHP SONES | CFM BHP SONES | | |
| | | | 600 | 2362 .14 7.1 | 2089 .15 6.3 | 1740 .15 6.3 | 1183 .14 6.3 | | | | | | | | |
| | | | 650 | 2559 .17 8.2 | 2309 .18 7.4 | 2015 .19 7.2 | 1604 .19 7.2 | 752 .16 7.2 | | | | | | | |
| | | | 700 | 2756 .22 9.3 | 2525 .23 8.5 | 2280 .23 8.2 | 1930 .24 8.2 | 1435 .23 8.2 | | | | | | | |
| | | | 750 | 2953 .27 10.5 | 2737 .28 9.7 | 2511 .29 9.1 | 2216 .29 9.2 | 1848 .29 9.2 | 1291 .26 9.3 | | | | | | |
| | | | 800 | 3150 .33 11.8 | 2948 .34 11.1 | 2737 .35 10.4 | 2489 .35 10.4 | 2176 .35 10.4 | 1751 .34 10.5 | 1011 .30 10.5 | | | | | |
| | | | 825* | 3248 .36 12.6 | 3052 .37 11.8 | 2849 .38 11.1 | 2623 .39 11.1 | 2328 .39 11.1 | 1958 .39 11.2 | 1447 .35 11.2 | | | | | |
| | | | 875 | 3445 .43 12.7 | 3260 .44 12.2 | 3071 .45 11.7 | 2874 .46 11.4 | 2608 .46 10.8 | 2307 .46 10.3 | 1907 .45 9.8 | | | | | |
| | | | 925 | 3642 .51 13.9 | 3467 .53 13.4 | 3290 .54 13.0 | 3104 .55 12.5 | 2881 .55 12.0 | 2618 .55 11.5 | 2306 .54 10.9 | 1196 .40 10.5 | | | | |
| | | | 975 | 3839 .59 15.1 | 3673 .61 14.6 | 3507 .63 14.2 | 3331 .64 13.8 | 3147 .64 13.3 | 2898 .64 12.8 | 2634 .63 12.2 | 1887 .57 11.4 | | | | |
| | | | 1025 | 4035 .69 16.5 | 3878 .71 16.0 | 3720 .72 15.5 | 3555 .74 15.0 | 3387 .75 14.6 | 3171 .75 14.1 | 2934 .75 13.5 | 2324 .71 12.5 | 1125 .51 12.3 | | | |
| | | | 1075 * | 4232 .80 17.9 | 4082 .82 17.4 | 3932 .83 16.9 | 3776 .84 16.3 | 3616 .86 15.8 | 3439 .86 15.4 | 3213 .86 14.9 | 2709 .84 13.9 | 1965 .75 13.3 | | | |
| ALL OTHER MOTORS | | | 1140 * | 4488 .95 19.6 | 4346 .97 19.1 | 4205 .99 18.6 | 4061 1.00 18.1 | 3910 1.01 17.7 | 3759 1.03 17.2 | 3566 1.03 16.7 | 3132 1.01 15.7 | 2548 .98 14.8 | | | |

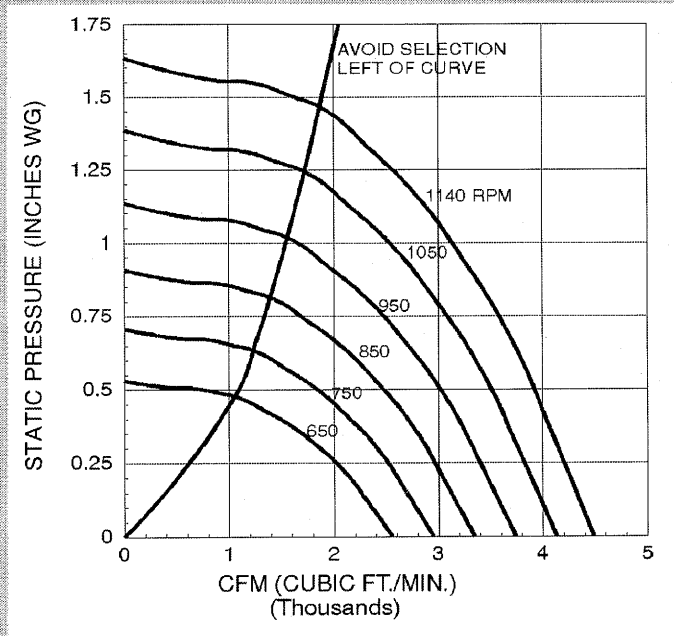
Performance shown is for installation type A - free inlet, free outlet.
 Speed (RPM) is nominal. Performance is based on actual speed of test.
 * Base Unit - As run motor speeds.
 + RPM range capable with solid state speed control. AMCA Seal for sound rating does not apply to units with speed controls.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. Values shown are for inlet L_{Wj} sound power levels for installation Type A free inlet, free outlet. Ratings do not include the effects of duct end correction.

The sound ratings shown are loudness values in fan sones at 5 feet (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A, free inlet fan sone levels.

***NOTE:** R3 motors are specifically designed to operate through the above performance range. The motor will not be damaged or harmed at the higher BHP values.

VEDK 18 AIR PERFORMANCE



VEDK 18 SOUND PERFORMANCE

| RPM | SP | SOUND POWER RE 10 ⁻¹² WATTS | | | | | | | | LWA |
|------|-------|--|----|----|----|----|----|----|----|-----|
| | | OCTAVE BANDS | | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| 825 | .000 | 75 | 82 | 79 | 71 | 68 | 65 | 58 | 50 | 75 |
| | .125 | 74 | 81 | 78 | 70 | 66 | 63 | 56 | 49 | 74 |
| | .250 | 73 | 80 | 77 | 69 | 65 | 61 | 54 | 48 | 73 |
| | .500 | 73 | 80 | 78 | 70 | 65 | 60 | 54 | 49 | 73 |
| | .750 | 74 | 81 | 78 | 70 | 64 | 59 | 54 | 49 | 73 |
| 1075 | .000 | 84 | 83 | 81 | 76 | 72 | 73 | 71 | 63 | 80 |
| | .250 | 83 | 83 | 79 | 75 | 71 | 72 | 70 | 64 | 79 |
| | .500 | 82 | 83 | 78 | 74 | 70 | 71 | 68 | 64 | 78 |
| | .750 | 82 | 82 | 77 | 73 | 68 | 69 | 67 | 64 | 77 |
| | 1.000 | 81 | 81 | 76 | 71 | 67 | 67 | 66 | 63 | 75 |